

HSD17B10, 12-261aa, Human, His tag, E.coli

Cat.NO.: TP02510

3th Edition

Synonyms:3-hydroxyacyl-CoA dehydrogenase type-2, 17b-HSD10, ABAD, CAMR, DUPXp11.22, ERAB, HADH2, HCD2, MHBD, MRPP2, MRX17.

Description:HSD17B10 is a member of the short-chain dehydrogenase/reductase superfamily. This mitochondrial protein catalyzes the oxidation of a wide variety of fatty acids, alcohols, and steroids. HSD17B10 plays an important role in processing steroid hormones and fats, and also helps break down the protein building block (amino acid) isoleucine. This enzyme is also necessary for several chemical reactions involving female sex hormones (estrogens) and male sex hormones (androgens).

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT, and 100 mM NaCl.

Molecular Weight:28.1 kDa (271aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMVAVITGGASGLGLATAERLVGQGASAVLLDLPNSGGEAQAKKLGNNCVFAPAD
VTSEKDVQTALALAKGKFRVDVAVNCAGIAVASKTYNLKKGQHTLEDQFQVLDVNLMTFNVIRLVAGEMGQNE
PDQGGQRGVIINTASVAAFEGQVGQAAYSASKGGIVGMTLPIARDLAPIGIRVMTIAPGLFGTPLLTSLPEKVCNFLA
SQVPFPSRLGDPAEYAHLVQAIENPFLNGEVIRLDGAIRMQP

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.